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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/714,449A

DATE: 10/02/2001

TIME: 09:23:49

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Input Set : A:\00431PHRM293.ST25.txt

Output Set: N:\CRF3\10022001\I714449A.raw

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3 <110> APPLICANT: Vogeli, Gabriel  
 4 Huff, Rita  
 5 Sejlitz, Torsten  
 6 Lind, Peter  
 7 Slichtom, Jerry  
 8 Schellin, Kathleen  
 9 Bannigan, Chris  
 10 Ruff, Valerie  
 11 Kaytes, Paul  
 12 Wood, Linda  
 13 Parodi, Luis  
 14 Hiebsch, Ronald  
 16 <120> TITLE OF INVENTION: Novel G Protein Coupled Receptors  
 18 <130> FILE REFERENCE: 00431PHRM293  
 20 <140> CURRENT APPLICATION NUMBER: 09/714,449A  
 21 <141> CURRENT FILING DATE: 2000-11-16  
 23 <150> PRIOR APPLICATION NUMBER: 60/165,838  
 24 <151> PRIOR FILING DATE: 1999-11-16  
 26 <150> PRIOR APPLICATION NUMBER: 60/198,568  
 27 <151> PRIOR FILING DATE: 2000-04-20  
 29 <150> PRIOR APPLICATION NUMBER: 60/166,071  
 30 <151> PRIOR FILING DATE: 1999-11-17  
 32 <150> PRIOR APPLICATION NUMBER: 60/166,678  
 33 <151> PRIOR FILING DATE: 1999-11-19  
 35 <150> PRIOR APPLICATION NUMBER: 60/173,396  
 36 <151> PRIOR FILING DATE: 1999-12-28  
 38 <150> PRIOR APPLICATION NUMBER: 60/184,129  
 39 <151> PRIOR FILING DATE: 2000-02-22  
 41 <150> PRIOR APPLICATION NUMBER: 60/185,421  
 42 <151> PRIOR FILING DATE: 2000-02-28  
 44 <150> PRIOR APPLICATION NUMBER: 60/185,554  
 45 <151> PRIOR FILING DATE: 2000-02-28  
 47 <150> PRIOR APPLICATION NUMBER: 60/186,530  
 48 <151> PRIOR FILING DATE: 2000-03-02  
 50 <150> PRIOR APPLICATION NUMBER: 60/186,811  
 51 <151> PRIOR FILING DATE: 2000-03-03  
 53 <150> PRIOR APPLICATION NUMBER: 60/188,114  
 54 <151> PRIOR FILING DATE: 2000-03-09  
 56 <150> PRIOR APPLICATION NUMBER: 60/190,310  
 57 <151> PRIOR FILING DATE: 2000-03-17  
 59 <150> PRIOR APPLICATION NUMBER: 60/190,800  
 60 <151> PRIOR FILING DATE: 2000-03-21  
 62 <150> PRIOR APPLICATION NUMBER: 60/201,190  
 63 <151> PRIOR FILING DATE: 2000-05-02  
 65 <150> PRIOR APPLICATION NUMBER: 60/203,111  
 66 <151> PRIOR FILING DATE: 2000-05-08  
 68 <150> PRIOR APPLICATION NUMBER: 60/207,094

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69 <151> PRIOR FILING DATE: 2000-05-25  
71 <160> NUMBER OF SEQ ID NOS: 190  
73 <170> SOFTWARE: PatentIn version 3.0  
75 <210> SEQ ID NO: 1  
76 <211> LENGTH: 1182  
77 <212> TYPE: DNA  
78 <213> ORGANISM: Homo sapiens  
80 <400> SEQUENCE: 1

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85	ttctctgccc	ttaccgtctt	agccatcaaa	ctctgagctg	gagatagtga	cgatgtgaca	180
87	ggaactttcc	ctgggcctct	ctgggcacaa	attcctggcc	gagagaaaaga	ggaggaatga	240
89	ggtgagcacc	ttcttcactc	ctagggccat	gtggtagagc	tgcagtcgca	cctccttctg	300
91	ccaataggca	tagatgatgt	ggttgagcag	ggagttgcct	acgcccagca	gccacaggt	360
93	ccgttccagc	actaggtaga	ggtgacactc	ctggcaggcc	acctgcacaa	tgccagtgt	420
95	aaggaagggg	gtccaggata	gagcaaagct	ccaaatgaga	acagacacag	tacggagagc	480
97	tttgaagtgc	ctgggagtc	gtggggatcg	ataacctcca	gccatggctc	ctgcatgttc	540
99	cattttcga	atctgctggc	tgtgcatgga	ggcaatctt	agcatgtcgc	agtagaagaa	600
101	gacaaaagagg	agcatggctg	ggaagaagcc	aacgcaggag	agggtcagca	cgaagtgagg	660
103	gtgaaaataca	gcaaaaagc	tgcactgccc	ttttaggca	gtctgctgga	acatggggat	720
105	tccgagtgg	aggaagccaa	tgaggttaaga	cactaaccac	agcccgccaa	tgcaggcccc	780
107	ggccacgaac	ccactcatga	tcttcagta	gcggaaaggc	tgcttgatgg	caaggtacct	840
109	gtcaaaaggt	atcagcatga	ccgtgaggac	agaggcagct	gcggaggaag	tgacaaatgc	900
111	catccgcagg	ctgcacaggg	tcttctgtgt	gggcccagaa	gggctggaga	gctggctgt	960
113	gagtaggcca	gagatggcca	caccaatcaa	ggtgtcagcc	acagccagat	tcaaggtgaa	1020
115	gcagagactg	acaccatcat	tcttgtggat	caacagcagc	acagccacag	ccactagtgt	1080
117	gttagtagca	atgatgaggg	aggccaggac	agcaaggatc	actccaaatg	agaaagatga	1140
119	ttccatgtct	cgaagtggca	ggacttcact	taccaggca	tg		1182

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123 <211> LENGTH: 335

124 <212> TYPE: PRT

125 <213> ORGANISM: Homo sapiens

127 <400> SEQUENCE: 2

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132	Leu	Ile	Ile	Ala	Thr	Asn	Thr	Leu	Val	Ala	Val	Ala	Val	Leu	Leu	Leu
133					20				25					30		
135	Ile	His	Lys	Asn	Asp	Gly	Val	Ser	Leu	Cys	Phe	Thr	Leu	Asn	Leu	Ala
136					35				40				45			
138	Val	Ala	Asp	Thr	Leu	Ile	Gly	Val	Ala	Ile	Ser	Gly	Leu	Leu	Thr	Asp
139					50				55			60				
141	Gln	Leu	Ser	Ser	Pro	Ser	Arg	Pro	Thr	Gln	Lys	Thr	Leu	Cys	Ser	Leu
142					65				70			75			80	
144	Arg	Met	Ala	Phe	Val	Thr	Ser	Ser	Ala	Ala	Ala	Ser	Val	Leu	Thr	Val
145									85			90			95	
147	Met	Leu	Ile	Thr	Phe	Asp	Arg	Tyr	Leu	Ala	Ile	Lys	Gln	Pro	Phe	Arg
148									100			105			110	
150	Tyr	Leu	Lys	Ile	Met	Ser	Gly	Phe	Val	Ala	Gly	Ala	Cys	Ile	Ala	Gly
151									115			120			125	

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/714,449A

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153	Leu	Trp	Leu	Val	Ser	Tyr	Leu	Ile	Gly	Phe	Leu	Pro	Leu	Gly	Ile	Pro
154	130						135				140					
156	Met	Phe	Gln	Gln	Thr	Ala	Tyr	Lys	Gly	Gln	Cys	Ser	Phe	Phe	Ala	Val
157	145						150				155				160	
159	Phe	His	Pro	His	Phe	Val	Leu	Thr	Leu	Ser	Cys	Val	Gly	Phe	Phe	Pro
160						165				170				175		
162	Ala	Met	Leu	Leu	Phe	Val	Phe	Tyr	Cys	Asp	Met	Leu	Lys	Ile	Ala	
163						180			185				190			
165	Ser	Met	His	Ser	Gln	Gln	Ile	Arg	Lys	Met	Glu	His	Ala	Gly	Ala	Met
166						195			200				205			
168	Ala	Gly	Gly	Tyr	Arg	Ser	Pro	Arg	Thr	Pro	Ser	Asp	Phe	Lys	Ala	Leu
169						210			215				220			
171	Arg	Thr	Val	Ser	Val	Leu	Ile	Gly	Ser	Phe	Ala	Leu	Ser	Trp	Thr	Pro
172	225					230				235				240		
174	Phe	Leu	Ile	Thr	Gly	Ile	Val	Gln	Val	Ala	Cys	Gln	Glu	Cys	His	Leu
175						245				250				255		
177	Tyr	Leu	Val	Leu	Glu	Arg	Tyr	Leu	Trp	Leu	Leu	Gly	Val	Gly	Asn	Ser
178						260			265				270			
180	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Ala	Tyr	Trp	Gln	Lys	Glu	Val	Arg	Leu
181						275			280				285			
183	Gln	Leu	Tyr	His	Met	Ala	Leu	Gly	Val	Lys	Lys	Val	Leu	Thr	Ser	Phe
184						290			295				300			
186	Leu	Leu	Phe	Leu	Ser	Ala	Arg	Asn	Cys	Gly	Pro	Glu	Arg	Pro	Arg	Glu
187	305					310				315				320		
189	Ser	Ser	Cys	His	Ile	Val	Thr	Ile	Ser	Ser	Ser	Glu	Phe	Asp	Gly	
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194	<212>	TYPE:	DNA													
195	<213>	ORGANISM:	Homo sapiens													
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200	gtgcacacctg	agcgaggctg	gcccagagcac	cgccacggc	agcacgaac	ccacggcatg									120	
202	gagcgtggcg	gtgaaggctg	cgaagcgcgg	acgctcaggc	tcggggggca	ggcgacgcga									180	
204	acaggacgcg	aaggcgtgc	tgttagccaag	ccacgagcag	ccaagtgcag	cgcctgagaa									240	
206	ggccagcgcac	tgtccccagg	cacagcccag	cagcaggccg	gcatagcgcg	gtgcaggcg									300	
208	tccggcgtag	cgcagtggga	agcccactgc	cagccactgg	tctgcgtca	gcggccgccac									360	
210	gctcagcgc	gcgttggacg	ccaggaagt	gtccaggaag	ccaatgactt	ggcatgcgc									420	
212	gggcgcgcac	ggtgtccgccc	cgcgcatac	accgagcagc	gtgaaggggca	tgtccagcgc									480	
214	cgcgcgcac	aggtgcccc	gagacagatt	caccaggagg	acgcctgagg	ctcgagtgcg									540	
216	gagtcgcgc	ctgttaggcgc	aacaaagcag	caccagtgcg	ttggatagca	gcgccacggc									600	
218	cagtaccatc	accaggagac	ccgcccagcag	cgcctcgccg	gggccccatgg	cgctagc									657	
221	<210>	SEQ ID NO:	4													
222	<211>	LENGTH:	217													
223	<212>	TYPE:	PRT													
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226	<400>	SEQUENCE:	4													
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229	1					5			10				15			

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231 Val Leu Ala Val Ala Leu Leu Ser Asn Ala Leu Val Leu Leu Cys Cys  
 232 20 25 30  
 234 Ala Tyr Ser Ala Glu Leu Arg Thr Arg Ala Ser Gly Val Leu Leu Val  
 235 35 40 45  
 237 Asn Leu Ser Leu Gly His Leu Leu Leu Ala Ala Leu Asp Met Pro Phe  
 238 50 55 60  
 240 Thr Leu Leu Gly Val Met Arg Gly Arg Thr Pro Ser Ala Pro Gly Ala  
 241 65 70 75 80  
 243 Cys Gln Val Ile Gly Phe Leu Asp Thr Phe Leu Ala Ser Asn Ala Ala  
 244 85 90 95  
 246 Leu Ser Val Ala Ala Leu Ser Ala Asp Gln Trp Leu Ala Val Gly Phe  
 247 100 105 110  
 249 Pro Leu Arg Tyr Ala Gly Arg Leu Arg Pro Arg Tyr Ala Gly Leu Leu  
 250 115 120 125  
 252 Leu Gly Cys Ala Trp Gly Gln Ser Leu Ala Phe Ser Gly Ala Ala Leu  
 253 130 135 140  
 255 Gly Cys Ser Trp Leu Gly Tyr Ser Ser Ala Phe Ala Ser Cys Ser Leu  
 256 145 150 155 160  
 258 Arg Leu Pro Pro Glu Pro Glu Arg Pro Arg Phe Ala Ala Phe Thr Ala  
 259 165 170 175  
 261 Thr Leu His Ala Val Gly Phe Val Leu Pro Leu Ala Val Leu Cys Leu  
 262 180 185 190  
 264 Thr Ser Leu Gln Val His Arg Val Ala Arg Arg His Cys Gln Arg Met  
 265 195 200 205  
 267 Asp Thr Val Thr Met Lys Ala Leu Ala  
 268 210 215  
 270 <210> SEQ ID NO: 5  
 271 <211> LENGTH: 222  
 272 <212> TYPE: DNA  
 273 <213> ORGANISM: Homo sapiens  
 275 <400> SEQUENCE: 5  
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 278 gaaaggaaa tctgtgtatt ttggctcaact actgactatc tggttatgtac agcatctgta 120  
 280 tataacatgg tcctcatcgat ctatgatcgat tacctgtcgat tctcaaatgc tgtaagtgc 180  
 282 acacattaat ttatccccct tagaagatta tgtaaatgtta ta 222  
 285 <210> SEQ ID NO: 6  
 286 <211> LENGTH: 73  
 287 <212> TYPE: PRT  
 288 <213> ORGANISM: Homo sapiens  
 290 <400> SEQUENCE: 6  
 292 Cys Ala Gly Val Ile Ser Ile Pro Leu Tyr Ile Pro His Thr Leu Phe  
 293 1 5 10 15  
 295 Glu Trp Asp Phe Gly Lys Glu Ile Cys Val Phe Trp Leu Thr Thr Asp  
 296 20 25 30  
 298 Tyr Leu Leu Cys Thr Ala Ser Val Tyr Asn Ile Val Leu Ile Ser Tyr  
 299 35 40 45  
 301 Asp Arg Tyr Leu Ser Val Ser Asn Ala Val Ser Arg Thr His Phe Ile  
 302 50 55 60  
 304 Pro Leu Arg Arg Leu Cys Lys Cys Ile

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308	<211>	LENGTH:	507														
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315	cagcggggac	agggcgtca	ggagcagcag	ccaggtccct	gcacacgcgg	ccaccgcgtta	120										
317	acgacggcgg	cgccagcgct	tggagctgag	cgggtacagg	atccccagga	agcgtccac	180										
319	gctgatacag	gtcatgtga	ggatgctgga	atacatgttt	gcgtaaaagg	ccacggtcac	240										
321	cacgttgcaa	agcagcaccc	cgaataccca	gtgggtggcgg	ttgcaatgtt	agtagatttg	300										
323	gaaaaggcaac	acgctggcca	gcatcaggc	cgtgacgctc	aggttgatca	tgaagatgac	360										
325	cgacggggat	ctggggccca	tgcgcggca	cagcacccac	agagagaaga	ggttgcggcgg	420										
327	gatgctgacc	gccgcacca	gcgagtagcac	cacggcagg	gccaccgcga	tcgcgggtt	480										
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342	Leu	Pro	Val	Val	Tyr	Ser	Leu	Val	Ala	Ala	Val	Ser	Ile	Pro	Gly	Asn	
343					20			25						30			
345	Leu	Phe	Ser	Leu	Trp	Val	Leu	Cys	Arg	Arg	Met	Gly	Pro	Arg	Ser	Pro	
346					35			40						45			
348	Ser	Val	Ile	Phe	Met	Ile	Asn	Leu	Ser	Val	Thr	Asp	Leu	Met	Leu	Ala	
349					50			55						60			
351	Ser	Val	Leu	Pro	Phe	Gln	Ile	Tyr	Tyr	His	Cys	Asn	Arg	His	His	Trp	
352					65			70			75			80			
354	Val	Phe	Gly	Val	Leu	Cys	Asn	Leu	Val	Val	Thr	Val	Ala	Phe	Tyr	Ala	
355					85			90			95						
357	Asn	Met	Tyr	Ser	Ser	Ile	Leu	Thr	Met	Thr	Cys	Ile	Ser	Val	Glu	Arg	
358					100			105			110						
360	Phe	Leu	Gly	Ile	Leu	Tyr	Pro	Leu	Ser	Ser	Lys	Arg	Trp	Arg	Arg	Arg	
361					115			120			125						
363	Arg	Tyr	Ala	Val	Ala	Ala	Cys	Ala	Gly	Thr	Trp	Leu	Leu	Leu	Leu	Thr	
364					130			135			140						
366	Ala	Leu	Ser	Pro	Leu	Ala	Arg	Thr	Asp	Leu	Thr	Tyr	Pro	Val	His	Ala	
367					145			150			155			160			
369	Leu	Gly	Ile	Ile	Thr	Cys	Phe	Asp	Val								
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380	gccgccaaca	tcctactgtc	ggggccgctc	acgctgaaac	tgtccccgc	gctctgggtc	120										

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/714,449A

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Input Set : A:\00431PHRM293.ST25.txt

Output Set: N:\CRF3\10022001\I714449A.raw

L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1029 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:1032 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:2026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58